

~~SECRET//REL TO USA, FVEY~~

INFORMATION PAPER

CNMF Mobile & Modular Hunt Forward Kit

(U) Background/Description:

(S//REL) The objectives of Hunt Forward operations are to (1) [redacted] cyber operations with partner nations on their networks; (2) gain additional insight into adversary cyber capabilities to elevate U.S./Friendly defensive cyber posture; (3) implement "best practices" [redacted] to counter adversary cyber footprint and improve mission assurance; and (4) support USCYBERCOM and Geographic Combatant Command partnerships [redacted].

(S//REL) The Mobile & Modular Hunt Forward Kit is [redacted] Cyber National Mission Force (CNMF) Hunt Forward capability, USCYBERCOM can [redacted] to provide [redacted] [redacted] will be a basis to [redacted] respond to operational needs for Hunt Forward Missions. Future capabilities identified to support the Hunt Forward Mission can [redacted] Hunt Forward capabilities.

(U) Requirement Gap:

(S//REL) The Mobile & Modular Hunt Forward kit has several key mission requirements [redacted] Hunt Forward Kits are used on networks where there are known malicious cyber actors [redacted] The kits must be able to [redacted] Hunt Forward kits are designed to [redacted].

(U) Operational Capabilities:

(S//REL) The initial Mobile & Modular Hunt Forward kit will be deployed to discover adversary cyber tools, infrastructure and Tactics Techniques & Procedures (TTPs); disrupt adversary cyber operations; [redacted] The kit will [redacted] be used [redacted] across the CNMF [redacted].

(U) Funding:

APPN	PE	SAG	Funding
O&M	[redacted]	15E	[redacted]

Classification of table is U//~~FOUO~~

(U) Date of Material: 09 April 2019

(U//~~FOUO~~) Originator: [redacted](U//~~FOUO~~) Alt. POC: [redacted](U//~~FOUO~~) Classification Review By: [redacted]

(b) (3) 10 U.S.C. § 130b

Classified By: [redacted]

Derived From: NSA/CSSM 1-52

Dated: 20180110

Declassify On: 20440401

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INFORMATION PAPER

CNMF [] Hunt Forward Kit

(U) Purpose:

(S//REL) To provide an update on the Cyber National Mission Forces (CNMF) capability for a [] [] kit to support Hunt Forward Operations on Foreign Partner Networks to target known adversaries. The initial [] kit will be deployed to [] [] conduct Forward Hunt Missions to [] [] [] Hunt Forward Kit to be used [] across the Cyber National Mission Forces [].

(U) Background:

(S//REL) In 2013, The USCYBERCOM Cyber National Mission Forces (CNMF) was established. Since that time the [] have been largely focused on Incident Response Mission []. To support these operations, []. In 2018, the CNMF mission has evolved [] Forward Hunt Missions on Partner Nation Networks. Due to the paradigm shift, additional requirements must be considered as the new Hunt Forward kits will be used on networks where there are known malicious cyber actors. The use of [] in these environments could []. Based on these evolving requirements, CNMF [].

(S//REL) The objective of these Hunt Forward operations are to (1) [] [] Partner networks; (2) gain additional insight into adversary cyber capabilities to elevate U.S/Friendly defensive cyber posture; (3) implement "best practices" [] to counter adversary cyber footprint and improve mission assurance; (4) support USCYBERCOM [] partnerships [].

(S//REL) [] USCYBERCOM can takes steps to [] [] that can be maintained for the entire CNMF. Furthermore, [] can help to extrapolate costing, planning, and provide [] for Hunt Forward Missions. [] identified to support the Hunt Forward Mission can [] providing a [] Hunt Forward Capabilities.

(U) Key Issues or Areas of Concern:

(U) The [] Hunt Forward kit has several key requirements based on the Hunt Forward Mission [].

Classified By: []

Derived From: NSA/CSSM 1-52

Dated: 20180110

(b) (3) 10 U.S.C. § 130b

Declassify On: 20440401

- (S//REL) [] Hunt Forward Kits are used on networks where there are known malicious cyber actors. Due to this fact, [] CNMF is currently reviewing courses of actions to address the requirement which include []
[] decisions are being considered to inform this course of action.
- (S//REL) [] Hunt Forward kits are designed to []
[] The kits must be able to []
and should have []
[] need the ability to deploy and manage Defensive Cyber Operations through the use of [] Hunt Forward Missions. [] are being created to []
[] conduct the mission.
- (S//REL) [] Hunt Forward Kits must [] The system must be able to []
[] system design considers [] while balancing []
- (U//FOUO) [] The Hunt Forward Kits are designed to []
[]
- (S//REL) [] As part of previous mission, the Hunt Forward kits []
[] requirement is being considered in the design and cost considerations being made as part of the [] design.

(U) Way Forward:

(U//FOUO) The [] Hunt Forward kit [] that can be used to manage [] Hunt Forward kits. []
[] needs to be identified and work should be done to [] the Hunt Forward Kits.

(U//FOUO) The [] Hunt Forward mission needs to establish []
[] and further DCO Analysis []
[]

(U//FOUO) The [] Hunt Forward kit must be []
[] The Hunt Forward Capability should be managed [] capability roadmap, deployment strategy, acquisition strategy, and a Concept of Operation that is consistent with the mission needs of the Cyber National Mission Forces.

(U) Date of Material: 09 April 2019

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~~TOP SECRET//SI~~ [] ~~//NOFORN~~

(b) (3) 10 U.S.C. § 130b

~~SECRET//REL TO USA, FVEY~~

(U//~~FOUO~~) Originator:

(U//~~FOUO~~) Alt. POC:

(U//~~FOUO~~) Classification Review By: Name, Title, Organization, Date, SID, Secure Telephone

~~SECRET//REL TO USA, FVEY~~

~~TOP SECRET//SI~~ ~~//NOFORN~~

~~SECRET/RELEASABLE~~

Package ID: 12864-01
CYBERCOM

Hunt Forward Kits for the Cyber National Mission Force (CNMF)

Priority :

~~(SREL)~~ SUMMARY

~~(S/REL TO USA, FVEY)~~ The Cyber National Mission Force (CNMF) conduct of operations in conjunction with foreign mission partners. This critical capability, commonly known as Hunt Forward, was successfully demonstrated during operations

join partner-nation networks. Teams were then able to cyber activity. Finally, CNMF teams

~~(S/REL TO USA, FVEY)~~ The CNMF requires capability to increase discover and illuminate new adversary tactics, techniques, and procedures (TTP); and. This capability against the MCAs. A fully operational capability provides a adversary MCA as their tools and operations are discovered and countered.

~~(S/REL TO USA, FVEY)~~ This initiative aligns with the 2018 DoD Cyber Strategy Lines of Effort and

ENHANCEMENT

~~(SREL)~~ Program Enhancement

~~(S/REL TO USA, FVEY)~~ The enhancement provides the CNMF conduct Hunt Forward missions and Defensive Cyberspace Operations (DCO), targeting specific threat actors. require these kits to support a. Due to CNMF op-tempo and operational conditions on the Hunt Forward Kits, it is estimated that. Furthermore, in order to not jeopardize a mission. This results in a total requirement Hunt Forward Kits.

~~(S/REL TO USA, FVEY)~~ CNMF Hunt Forward capability.

Classified By: Multiple Sources
Reason: 1.5 (g)
Declassify on 13 Sep 2029

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(b) (1) Sec. 1.4 (a, e, g)
(b) (3) 10 U.S.C. § 130e

(b) (3) 10 U.S.C. § 130b

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Package ID: 12864-01
CYBERCOM

Hunt Forward Kits for the Cyber National Mission Force (CNMF)

Priority :

will provide for Hunt Forward missions identified to support the Hunt Forward mission Hunt Forward capabilities.

(S//REL TO USA, FVEY) The Hunt Forward kit has several key mission requirements that The Hunt Forward kits to be used on around the globe and must be able to Hunt Forward kits There will be used in developing these kits. The Hunt Forward kits in order to provide capability to

(U) Summary of Proposed Enhancement (\$ in Millions)

	2021	2022	2023	2024	2025	2021-2025
<u>Baseline</u>						
Hunt Forward Kits						
<u>Enhancements</u>						
Hunt Forward Kits						
Enhancement Total:						

(U) Effect of Enhancement

(U) Program Name/Description

(S//REL TO USA, FVEY) The Hunt Forward kit has been this new equipment to support cyber operations; conducting assurance; and The CNMF will ultimately use the kits to counter MCA

(U//FOUO) Improve Training and Force Readiness

(U//FOUO) Improve Training and Force Readiness: By Hunt Forward training can be This

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(b) (1) Sec. 1.4 (a, e, g)
(b) (3) 10 U.S.C. § 130e

(b) (3) 10 U.S.C. § 130b

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Hunt Forward Kits for the Cyber National Mission Force (CNMF)

Priority :

(U) Program Name/Description
training can be
(SREL)
(S-REL TO USA, FVEY)
The Hunt Forward kits will be
designed from the beginning to support
The Hunt Forward kit will support

OFFSET

(U) Program Offset

No Information Provided

(U) Summary of Proposed Offset

No Summary of Proposed Offset resource information provided.

(U) Effect of Offset

(U) Program Name/Description

No Offset Summary description information provided.

MANPOWER

(U) Summary of Manpower Adjustments

No Manpower adjustment resources provided.

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CYBERCOM

Hunt Forward Kits for the Cyber National Mission Force (CNMF)

Priority :

(U) Detailed Programming Data - (TOA in Thousands, Manpower in Units)

Pgm Name	RIC	Treas (Acct)	TA Cd	Pgm BA Typ	Program Element	Pgm Id	Budg Line Item	2021	2022	2023	2024	2025
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TOA

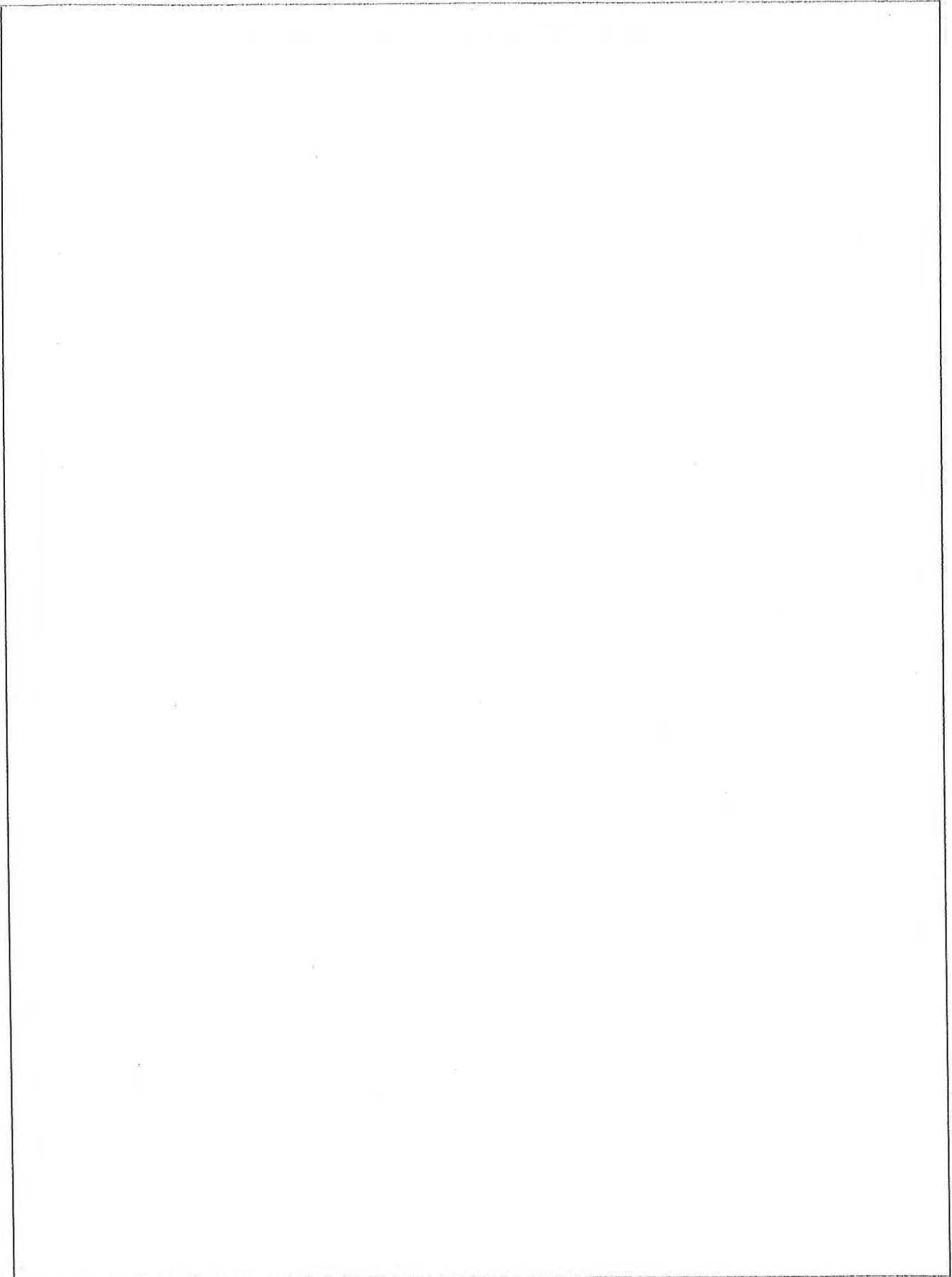
Hunt Forward Kits

(b) (1) Sec. 1.4 (a)

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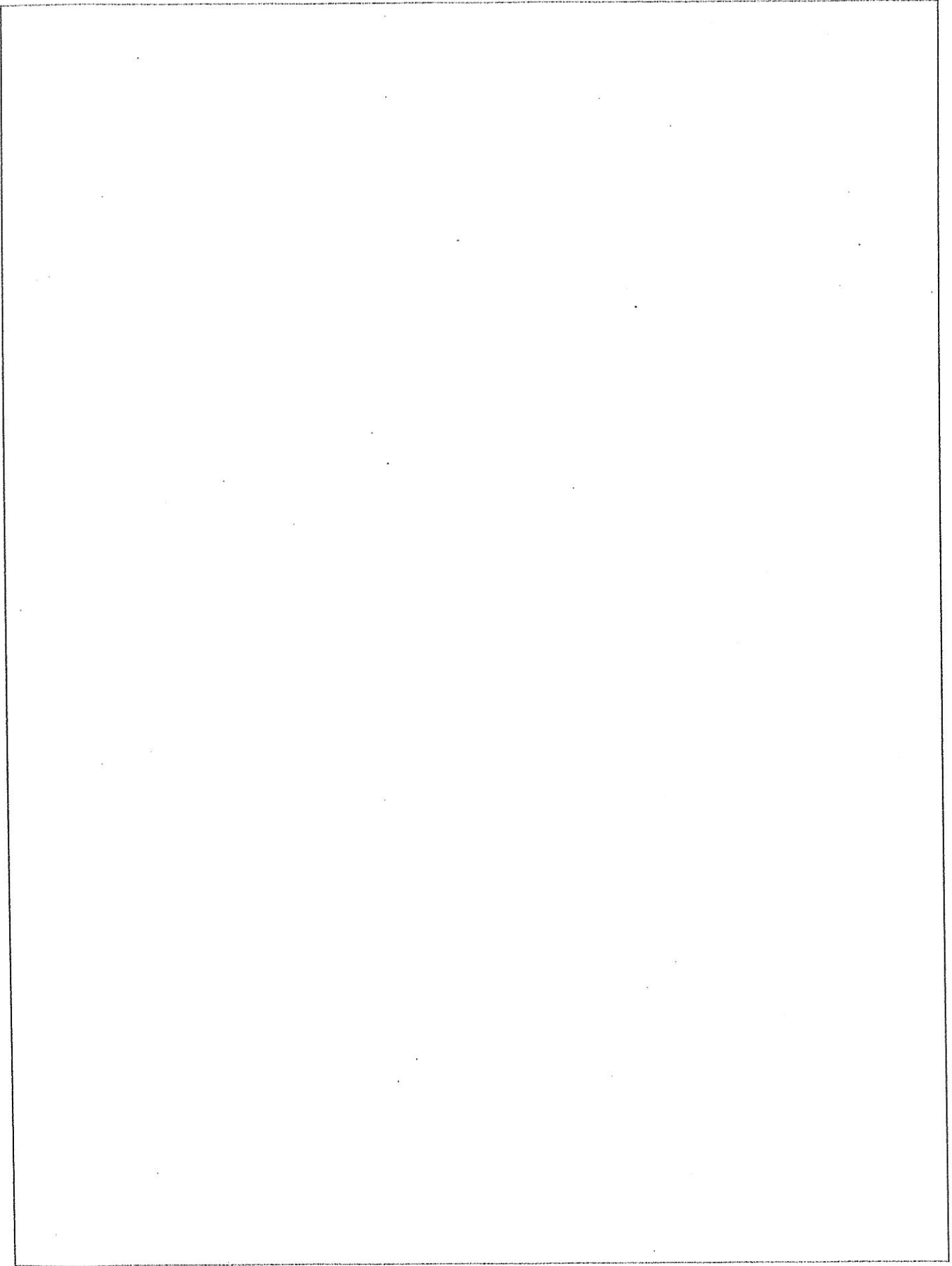
(b) (1) Sec. 1.4 (a, e, g)

(b) (3) 10 U.S.C. § 130e, (b) (3) 10 U.S.C. § 130b



(b) (1) Sec. 1.4 (a, e, g)

(b) (3) 10 U.S.C. § 130e



(b) (1) Sec. 1.4 (a, e, g)

(b) (3) 10 U.S.C. § 130e

